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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 Feb 24 PCTGEN now available on STN
NEWS 4 Feb 24 TEMA now available on STN
NEWS 5 Feb 26 NTIS now allows simultaneous left and right truncation
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NEWS 7 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8 Mar 24 PATDPAFULL now available on STN
NEWS 9 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 10 Apr 11 Display formats in DGENE enhanced
NEWS 11 Apr 14 MEDLINE Reload
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 13 AUG 22 Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15 Apr 28 RDISCLOSURE now available on STN
NEWS 16 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 24 Jun 25 HSDB has been reloaded
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS 26 Jul 21 Identification of STN records implemented
NEWS 27 Jul 21 Polymer class term count added to REGISTRY
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 30 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 07:46:02 ON 28 AUG 2003

| => file caplus | | SINCE FILE | TOTAL |
|----------------------|--|------------|---------|
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 0.21 | 0.21 |

FILE 'CAPLUS' ENTERED AT 07:46:12 ON 28 AUG 2003
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FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9
FILE LAST UPDATED: 26 Aug 2003 (20030826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> "hepatitis A virus purifiction"
      39234 "HEPATITIS"
      17297025 "A"
      286662 "VIRUS"
      61897 "VIRUSES"
      297026 "VIRUS"
                  ("VIRUS" OR "VIRUSES")
      5 "PURIFICATION"
L1      0 "HEPATITIS A VIRUS PURIFICATION"
                  ("HEPATITIS" (W) "A" (W) "VIRUS" (W) "PURIFICATION")
```

=> "HAV purification"

1026 "HAV"
19 "HAVS"
1033 "HAV"
("HAV" OR "HAVS")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
("PURIFICATION" OR "PURIFN")
L2 1 "HAV PURIFICATION"
("HAV" (W) "PURIFICATION")

=> "heptitis A virus particle purification"
3 "HEPTITIS"
17297025 "A"
286662 "VIRUS"
61897 "VIRUSES"
297026 "VIRUS"
("VIRUS" OR "VIRUSES")
577871 "PARTICLE"
657724 "PARTICLES"
984045 "PARTICLE"
("PARTICLE" OR "PARTICLES")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
("PURIFICATION" OR "PURIFN")
L3 0 "HEPTITIS A VIRUS PARTICLE PURIFICATION"
("HEPTITIS" (W) "A" (W) "VIRUS" (W) "PARTICLE" (W) "PURIFICATION")

=> "HAV isolation"
1026 "HAV"
19 "HAVS"
1033 "HAV"
("HAV" OR "HAVS")
219907 "ISOLATION"
947 "ISOLATIONS"
220514 "ISOLATION"
("ISOLATION" OR "ISOLATIONS")
L4 0 "HAV ISOLATION"
("HAV" (W) "ISOLATION")

=> "HAV vaccine preparation"
1026 "HAV"
19 "HAVS"
1033 "HAV"
("HAV" OR "HAVS")
39436 "VACCINE"
39900 "VACCINES"
49520 "VACCINE"
("VACCINE" OR "VACCINES")
1246365 "PREPARATION"
65848 "PREPARATIONS"

1309331 "PREPARATION"
 ("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"
188849 "PREPNS"
2531230 "PREPN"
 ("PREPN" OR "PREPNS")
3230056 "PREPARATION"
 ("PREPARATION" OR "PREPN")
L5 0 "HAV VACCINE PREPARATION"
 ("HAV" (W) "VACCINE" (W) "PREPARATION")

=> "HAV
QUERY PROCESSING INTERRUPTED
The system was temporarily unable to process your query. If this
message appears repeatedly, please notify the Help Desk. Enter "HELP
STN". for information on contacting the nearest STN Help Desk by
telephone or via SEND in the STNMAIL file.

=> HAV
 1026 HAV
 19 HAVS
L6 1033 HAV
 (HAV OR HAVS)

=> purification or isolation
 289658 PURIFICATION
 874 PURIFICATIONS
 290242 PURIFICATION
 (PURIFICATION OR PURIFICATIONS)
 249650 PURIFN
 232 PURIFNS
 249753 PURIFN
 (PURIFN OR PURIFNS)
 419838 PURIFICATION
 (PURIFICATION OR PURIFN)
 219907 ISOLATION
 947 ISOLATIONS
 220514 ISOLATION
 (ISOLATION OR ISOLATIONS)
L7 613559 PURIFICATION OR ISOLATION

=> L6 and L7
L8 79 L6 AND L7

=> pronase and L8
 7654 PRONASE
 13 PRONASES
 7661 PRONASE
 (PRONASE OR PRONASES)
L9 2 PRONASE AND L8

=> "S.G. trypsin (s) L8"
 2463727 "S"
 2596748 "G"
 64425 "TRYPSIN"
 473 "TRYPSINS"
 64467 "TRYPSIN"
 ("TRYPSIN" OR "TRYPSINS")
 2463727 "S"
 718 "L8"
L10 0 "S.G. TRYPSIN (S) L8"
 ("S" (W) "G" (W) "TRYPSIN" (W) "S" (W) "L8")

=> "streptomyces griseus trypsin"

32011 "STREPTOMYCES"
4221 "GRISEUS"
64425 "TRYPSIN"
473 "TRYPSINS"
64467 "TRYPSIN"
("TRYPSIN" OR "TRYPSINS")
L11 61 "STREPTOMYCES GRISEUS TRYPSIN"
("STREPTOMYCES" (W) "GRISEUS" (W) "TRYPSIN")

=> L11 and L8
L12 0 L11 AND L8

=> "virus purification"
286662 "VIRUS"
61897 "VIRUSES"
297026 "VIRUS"
("VIRUS" OR "VIRUSES")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
("PURIFICATION" OR "PURIFN")
L13 915 "VIRUS PURIFICATION"
("VIRUS" (W) "PURIFICATION")

=> L13 and L11
L14 0 L13 AND L11

=> "vaccine preparation"
39436 "VACCINE"
39900 "VACCINES"
49520 "VACCINE"
("VACCINE" OR "VACCINES")
1246365 "PREPARATION"
65848 "PREPARATIONS"
1309331 "PREPARATION"
("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"
188849 "PREPNS"
2531230 "PREPN"
("PREPN" OR "PREPNS")
3230056 "PREPARATION"
("PREPARATION" OR "PREPN")
L15 1246 "VACCINE PREPARATION"
("VACCINE" (W) "PREPARATION")

=> L15 and L11
L16 0 L15 AND L11

=> "antigen preparation"
240236 "ANTIGEN"
191435 "ANTIGENS"
298027 "ANTIGEN"
("ANTIGEN" OR "ANTIGENS")
1246365 "PREPARATION"
65848 "PREPARATIONS"
1309331 "PREPARATION"
("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"

188849 "PREPNS"
 2531230 "PREPN"
 ("PREPN" OR "PREPNS")
 3230056 "PREPARATION"
 ("PREPARATION" OR "PREPN")
 L17 2256 "ANTIGEN PREPARATION"
 ("ANTIGEN" (W) "PREPARATION")

=> L17 and L11
 L18 0 L17 AND L11

=> DIS L9 1- IBIB ABS
 YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):Y
 THE ESTIMATED COST FOR THIS REQUEST IS 4.83 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2003:472410 CAPLUS
 DOCUMENT NUMBER: 139:51598
 TITLE: Method of production of purified hepatitis A virus
 particles, and their use in vaccine preparation
 INVENTOR(S): Tauer, Christa; Meyer, Heidi; Mitterer, Artur;
 Barrett, Noel
 PATENT ASSIGNEE(S): Baxter Healthcare S.A., Switz.
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|----------|
| WO 2003049766 | A2 | 20030619 | WO 2002-EP14008 | 20021210 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2003124511 | A1 | 20030703 | US 2001-6205 | 20011210 |

PRIORITY APPLN. INFO.: US 2001-6205 A 20011210
 AB The present invention provides methods of purifn. of hepatitis A
 virus (HAV) from the supernatant of an infected cell culture by
 filtering and virus inactivation treatment and prodn. of a prepn. of
 purified HAV antigen under serum-free conditions. Contaminating
 impurities which might derive from the cells or the cell culture medium
 are efficiently removed by the method of invention. The invention is also
 directed to an HAV vaccine compn. comprising a prepn. consisting
 of purified mature HAV particles in an amt. sufficient to induce
 a protective immune response. The vaccine of present invention was
 compared in regards to its immunogenicity with 2 com. vaccines (VAQTA 50U
 and HAVRIX 1440). The antibody titers of the pooled sera of mice given
 the undiluted vaccine of invention at 15-20 IU/mL were 3541 mIU/mL
 compared to 2541 mIU/mL and 691 mIU/mL when given undiluted VAQTA and
 HAVRIX, resp.

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2003:454904 CAPLUS

DOCUMENT NUMBER: 139:21090
TITLE: Large scale production of Hepatitis A virus in microcarrier bound Vero cells
INVENTOR(S): Meyer, Heidi; Reiter, Manfred; Mundt, Wolfgang; Barrett, Noel; Dorner, Friedrich
PATENT ASSIGNEE(S): Austria
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|----------|
| US 2003108861 | A1 | 20030612 | US 2001-6882 | 20011210 |
| WO 2003049767 | A2 | 20030619 | WO 2002-EP14012 | 20021210 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRIORITY APPLN. INFO.: US 2001-6882 A 20011210
AB The present invention provides methods of large scale prodn. of Hepatitis A Virus (HAV) on Vero cells bound to microcarrier. The invention also provides for methods of isolation of HAV from the cell culture supernatant of HAV infected VERO cells.

=> DIS L2 1 IBIB ABS
THE ESTIMATED COST FOR THIS REQUEST IS 2.42 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:450306 CAPLUS
DOCUMENT NUMBER: 133:205136
TITLE: Unusual aspects of hepatitis A virus replication
AUTHOR(S): Bishop, N. E.
CORPORATE SOURCE: School of Biological Sciences, University of Manchester, Manchester, M13 9PT, UK
SOURCE: Recent Research Developments in Virology (1999), 1(Pt. 2), 183-202
CODEN: RRDVFH
PUBLISHER: Transworld Research Network
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

AB A review with 104 refs. Hepatitis A virus (HAV) is a picornavirus which grows poorly in cell culture. Improved viral yields have been obtained by selectively passaging HAV in cultured cells. Use of cell culture-adapted HAV strains in conjunction with optimal growth conditions, and efficient methods for HAV purifn., has led to increased knowledge of the replicative cycle of this virus and the prodn. of a viral vaccine. HAV has recently been reclassified due to its many unique characteristics. The slow replication kinetics and extreme stability of HAV has facilitated studies of some more unusual aspects of picornaviral replication and these studies have led to some interesting findings. This review highlights both the unusual characteristics of HAV, within the picornavirus family, and unusual aspects of picornavirus replication

illuminated by HAV studies, then will tie in the in vitro replication of HAV with that obsd. in vivo.

REFERENCE COUNT: 134 THERE ARE 134 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT